

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P963573

Luminaire Tested: **NAV-SB3A-750-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB3A-750-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14542.7 lumens
Efficiency: N/A
Efficacy: 171.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

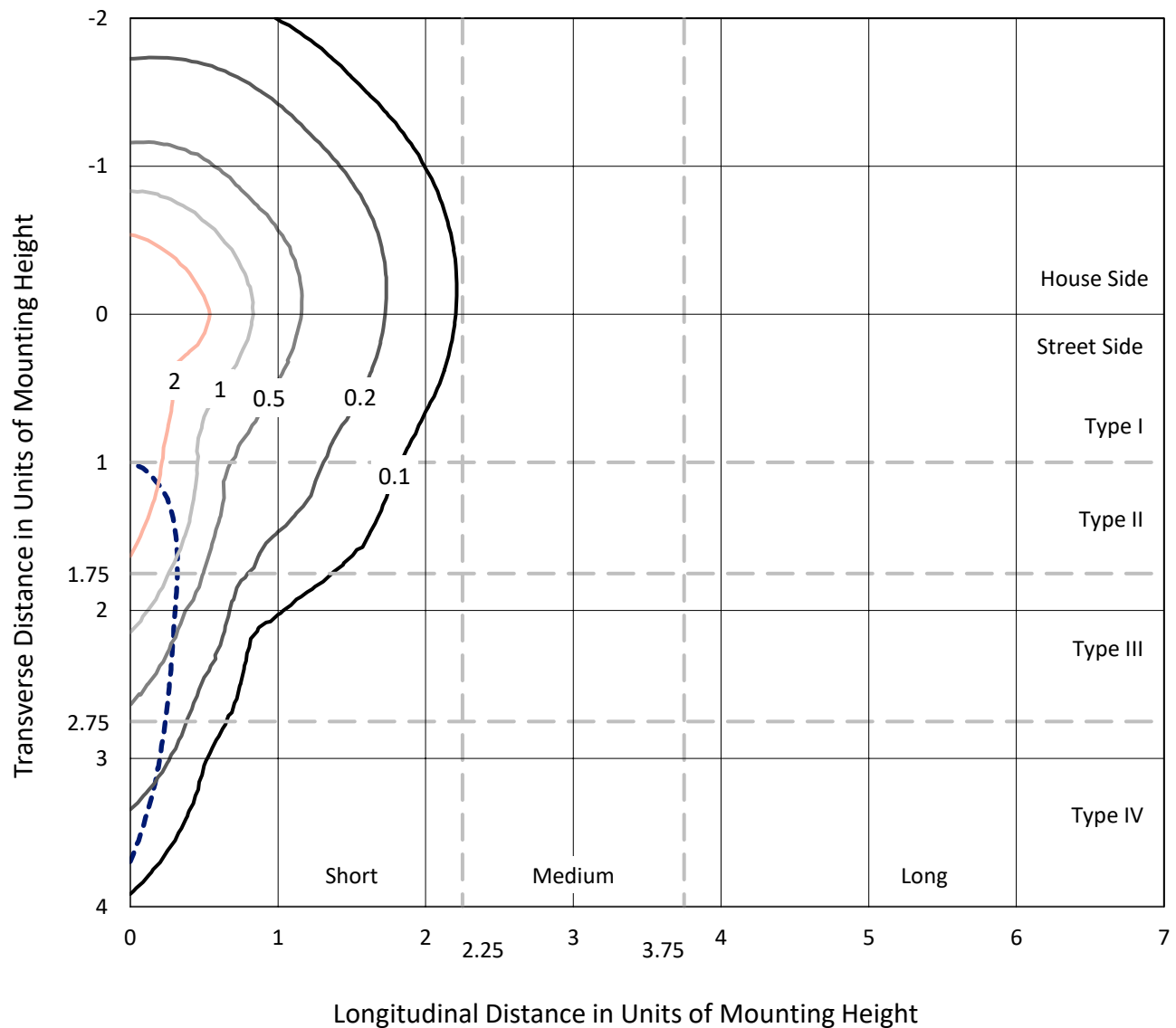


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

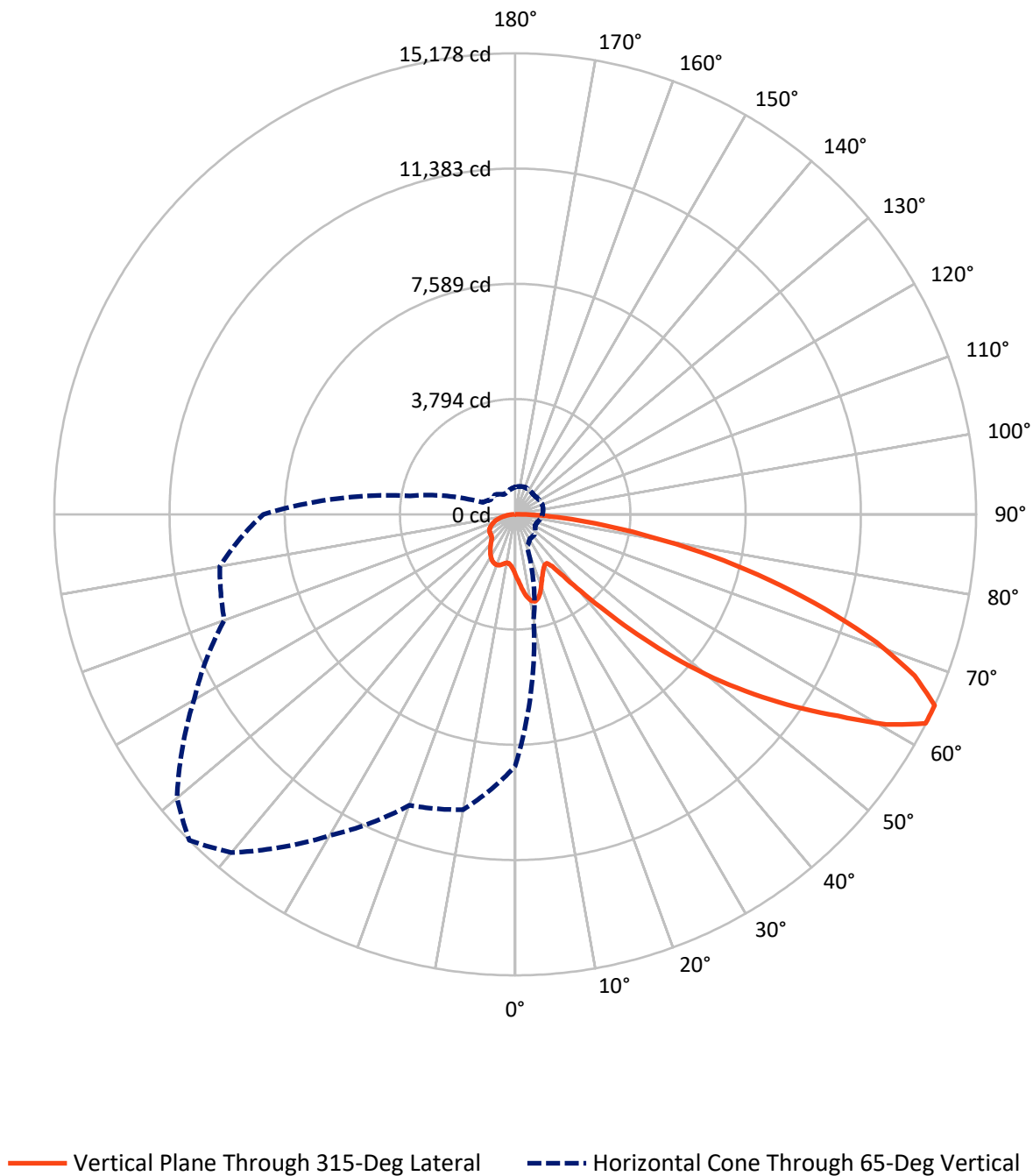


Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3696.0	0.0	3696.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10846.7	0.0	10846.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	14542.7	0.0	14542.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	1.4
10°-20°	622.7	4.3
20°-30°	961.9	6.6
30°-40°	1219.0	8.4
40°-50°	1838.5	12.6
50°-60°	2970.4	20.4
60°-70°	3703.1	25.5
70°-80°	2428.3	16.7
80°-90°	600.3	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14542.7	100.0
0°-180°	14542.7	100.0

Coefficient of Utilization



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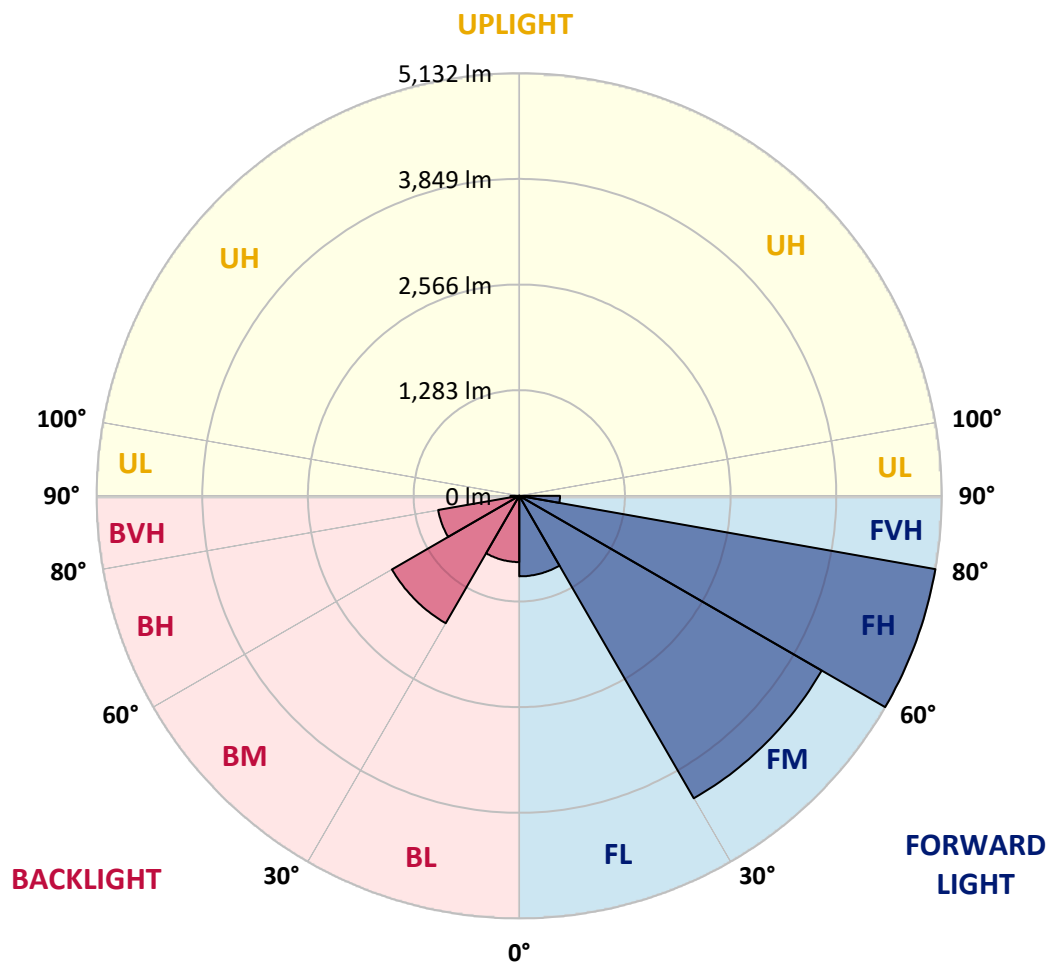
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	978.2	6.7			
FM	(30°-60°)	4241.8	29.2			
FH	(60°-80°)	5132.2	35.3			G3/7500
FVH	(80°-90°)	494.5	3.4			G3/500
BL	(0°-30°)	804.9	5.5	B2/1000		
BM	(30°-60°)	1786.1	12.3	B2/2500		
BH	(60°-80°)	999.2	6.9	B2/1000		G2/1000
BVH	(80°-90°)	105.8	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	2150.6	2134.0	2117.5	2099.9	2082.5	2064.9	2047.1	2030.3	2013.4	1997.1	1978.9
5°	2312.4	2276.0	2239.5	2203.1	2166.8	2130.3	2093.8	2059.6	2025.5	1993.2	1961.3
7.5°	2475.2	2415.0	2354.8	2299.3	2243.7	2189.7	2135.6	2087.9	2040.3	1996.3	1955.1
10°	2599.8	2523.8	2447.7	2374.3	2300.9	2235.2	2169.5	2113.1	2056.7	2002.4	1958.2
12.5°	2676.2	2592.6	2509.1	2426.0	2342.7	2265.2	2187.8	2124.0	2060.2	2003.2	1962.0
15°	2722.6	2635.5	2548.5	2458.2	2368.0	2278.7	2189.4	2115.6	2041.8	1978.7	1945.7
17.5°	2748.7	2660.4	2572.0	2473.6	2375.1	2271.5	2168.0	2079.2	1990.3	1916.1	1895.7
20°	2777.4	2685.7	2593.9	2485.6	2377.5	2251.9	2126.4	2016.3	1906.3	1819.8	1814.5
22.5°	2810.9	2717.1	2623.2	2501.9	2380.6	2227.8	2075.1	1942.6	1810.0	1711.6	1722.1
25°	2853.8	2761.9	2670.0	2531.3	2392.7	2204.1	2015.5	1860.3	1705.1	1604.1	1632.5
27.5°	2912.1	2824.5	2736.7	2577.5	2418.0	2188.2	1958.3	1784.9	1611.6	1519.8	1554.3
30°	2990.7	2906.1	2821.4	2637.0	2452.6	2180.7	1908.5	1722.0	1535.4	1458.4	1485.4
32.5°	3083.6	2999.8	2916.0	2699.2	2482.5	2171.5	1860.3	1667.8	1475.3	1413.1	1425.2
35°	3196.5	3116.2	3035.8	2770.2	2504.5	2154.1	1803.9	1614.5	1425.0	1373.2	1368.2
37.5°	3386.4	3284.0	3181.6	2849.6	2517.6	2124.4	1731.3	1551.6	1372.1	1326.8	1308.5
40°	3673.4	3524.2	3375.0	2950.5	2525.8	2083.5	1641.4	1476.8	1312.2	1271.1	1243.1
42.5°	4054.0	3838.6	3623.4	3082.4	2541.4	2041.3	1541.5	1394.1	1246.8	1209.0	1173.7
45°	4523.9	4233.6	3943.1	3255.9	2568.8	2002.1	1435.6	1306.4	1177.1	1138.8	1104.6
47.5°	5111.8	4703.0	4294.1	3440.8	2587.5	1969.7	1352.0	1236.9	1121.9	1072.4	1043.0
50°	5882.2	5265.9	4649.6	3612.4	2575.3	1934.5	1293.7	1190.7	1087.9	1022.8	988.7
52.5°	6766.6	5857.3	4948.0	3723.8	2499.7	1874.8	1250.0	1160.4	1070.8	996.0	948.3
55°	7708.2	6381.5	5055.0	3699.3	2343.6	1776.0	1208.5	1138.4	1068.4	998.8	926.8
57.5°	8564.5	6753.1	4941.6	3526.5	2111.4	1636.6	1161.8	1112.3	1062.8	1001.4	913.9
60°	9082.1	6846.0	4609.7	3204.9	1800.1	1455.7	1111.3	1072.4	1033.5	992.9	901.8
62.5°	8819.3	6454.9	4090.7	2770.1	1449.4	1239.1	1028.9	1003.1	977.2	972.2	887.6
65°	8293.3	5901.7	3510.3	2326.3	1142.5	1044.3	946.2	934.0	921.8	922.4	857.9
67.5°	7588.5	5243.5	2898.5	1891.7	884.9	857.1	829.1	836.0	842.8	841.0	804.8
70°	6741.6	4525.2	2308.6	1489.4	670.2	678.2	686.1	717.8	749.4	749.4	737.4
72.5°	5732.6	3746.4	1760.3	1138.7	517.0	541.1	565.2	610.0	654.7	662.3	662.4
75°	4456.1	2853.7	1251.4	826.5	401.5	423.3	445.1	495.3	545.4	580.2	577.2
77.5°	3183.8	1997.4	811.0	560.1	309.1	323.9	338.8	387.6	436.2	493.4	491.9
80°	2083.7	1286.9	489.9	360.8	231.8	237.9	244.1	285.3	326.5	394.8	394.6
82.5°	1211.2	744.8	278.4	221.9	165.6	166.7	167.9	198.3	228.7	287.0	290.2
85°	532.9	335.1	137.2	118.6	100.1	99.6	99.0	121.3	143.5	186.9	191.1
87.5°	165.0	109.8	54.5	49.2	43.9	43.4	42.8	51.9	61.0	79.0	84.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	1964.1	1949.4	1936.2	1923.0	1911.4	1899.8	1888.2	1876.6	1867.7	1858.5	1851.3
5°	1933.6	1905.8	1882.4	1859.1	1838.6	1818.0	1799.4	1780.6	1766.3	1751.9	1741.9
7.5°	1918.1	1881.2	1850.5	1819.8	1794.0	1768.0	1745.2	1722.3	1705.2	1688.2	1676.2
10°	1919.2	1880.2	1849.5	1818.8	1791.0	1763.0	1737.3	1711.6	1691.1	1670.7	1657.3
12.5°	1930.1	1898.3	1877.9	1857.6	1835.7	1813.9	1787.3	1760.7	1734.6	1708.6	1691.2
15°	1930.4	1915.2	1918.0	1920.7	1915.0	1909.4	1886.2	1863.1	1826.0	1788.8	1762.6
17.5°	1901.4	1906.9	1940.3	1973.8	1991.6	2009.3	1990.7	1972.1	1922.9	1873.7	1835.1
20°	1840.5	1866.6	1924.7	1982.9	2020.1	2057.3	2048.7	2040.1	1983.8	1927.6	1880.2
22.5°	1760.7	1799.3	1865.6	1932.0	1980.5	2028.9	2034.1	2039.2	1985.5	1931.8	1883.0
25°	1677.1	1721.6	1781.2	1840.9	1888.6	1936.2	1954.1	1971.7	1927.7	1883.7	1840.3
27.5°	1597.3	1640.2	1689.3	1738.2	1776.4	1814.7	1834.4	1854.3	1823.0	1791.6	1758.0
30°	1519.6	1553.8	1594.4	1635.1	1666.8	1698.5	1714.7	1730.8	1706.9	1682.9	1658.9
32.5°	1445.4	1465.5	1497.9	1530.5	1560.9	1591.3	1609.2	1627.2	1605.3	1583.2	1563.9
35°	1373.7	1379.3	1404.1	1428.8	1458.9	1489.0	1510.5	1532.1	1516.4	1500.8	1483.0
37.5°	1302.4	1296.2	1314.0	1331.8	1361.7	1391.8	1418.4	1444.9	1437.8	1430.5	1414.2
40°	1229.3	1215.3	1228.2	1241.0	1270.0	1299.0	1329.5	1360.2	1361.9	1363.6	1349.7
42.5°	1155.3	1136.8	1147.3	1157.8	1185.3	1212.8	1245.8	1278.8	1287.6	1296.4	1284.7
45°	1086.7	1068.8	1077.5	1086.4	1112.5	1138.6	1172.8	1207.0	1219.8	1232.4	1221.8
47.5°	1028.0	1012.9	1021.2	1029.4	1054.9	1080.5	1114.2	1148.0	1162.6	1177.1	1169.7
50°	975.4	962.2	975.0	988.0	1012.1	1036.1	1066.3	1096.5	1115.3	1134.0	1133.5
52.5°	935.1	922.0	941.4	960.7	982.9	1004.9	1033.0	1061.3	1083.4	1105.6	1109.6
55°	906.0	885.2	912.7	940.1	963.9	987.8	1012.5	1037.1	1060.6	1084.1	1089.7
57.5°	883.6	853.1	882.7	912.4	940.3	968.2	992.6	1017.1	1040.9	1064.5	1070.1
60°	862.4	823.0	849.0	874.9	907.0	939.1	963.9	988.7	1012.5	1036.3	1042.4
62.5°	838.4	789.2	805.8	822.3	859.6	897.1	923.5	950.0	971.8	993.5	999.5
65°	805.5	753.2	759.5	765.8	805.9	846.0	871.4	896.7	915.8	935.0	941.1
67.5°	761.3	717.6	715.7	713.6	750.6	787.7	811.7	835.7	852.2	868.8	874.7
70°	706.4	675.5	668.5	661.6	694.1	726.7	747.4	768.1	783.1	798.1	803.7
72.5°	641.1	619.9	609.8	599.7	625.4	650.9	669.6	688.3	702.9	717.6	724.4
75°	560.9	544.5	534.7	525.0	544.1	563.1	580.0	597.0	610.4	623.7	630.8
77.5°	478.8	465.7	455.8	446.0	461.5	476.9	491.5	506.0	520.1	534.1	540.7
80°	383.6	372.6	364.4	356.1	368.9	381.8	394.0	406.3	417.0	427.5	436.3
82.5°	284.8	279.5	273.7	267.8	266.7	265.7	261.4	257.1	279.8	302.5	317.3
85°	185.3	179.6	173.0	166.6	161.0	155.4	143.5	131.6	152.8	174.1	192.6
87.5°	82.1	79.8	78.6	77.4	77.1	76.9	67.9	58.7	67.6	76.6	84.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	1844.0	1838.3	1832.6	1827.4	1822.1	1815.6	1822.1	1827.4	1832.6	1838.3	1844.0
5°	1731.7	1724.7	1717.5	1712.1	1706.6	1701.2	1706.6	1712.1	1717.5	1724.7	1731.7
7.5°	1664.3	1656.1	1647.9	1643.0	1638.2	1634.5	1638.2	1643.0	1647.9	1656.1	1664.3
10°	1643.9	1636.1	1628.3	1624.2	1620.0	1618.4	1620.0	1624.2	1628.3	1636.1	1643.9
12.5°	1674.0	1665.3	1656.7	1653.2	1649.6	1649.0	1649.6	1653.2	1656.7	1665.3	1674.0
15°	1736.4	1724.4	1712.4	1707.8	1703.1	1702.7	1703.1	1707.8	1712.4	1724.4	1736.4
17.5°	1796.4	1778.6	1760.7	1754.9	1749.0	1748.0	1749.0	1754.9	1760.7	1778.6	1796.4
20°	1832.8	1810.0	1787.2	1779.9	1772.6	1770.3	1772.6	1779.9	1787.2	1810.0	1832.8
22.5°	1834.1	1810.2	1786.1	1778.0	1770.0	1766.5	1770.0	1778.0	1786.1	1810.2	1834.1
25°	1797.0	1776.1	1755.3	1747.7	1740.2	1735.7	1740.2	1747.7	1755.3	1776.1	1797.0
27.5°	1724.3	1710.3	1696.3	1692.8	1689.3	1688.2	1689.3	1692.8	1696.3	1710.3	1724.3
30°	1634.7	1627.5	1620.3	1620.3	1620.3	1621.4	1620.3	1620.3	1620.3	1627.5	1634.7
32.5°	1544.7	1540.1	1535.3	1536.0	1536.7	1537.8	1536.7	1536.0	1535.3	1540.1	1544.7
35°	1465.2	1458.2	1451.1	1449.6	1448.0	1447.2	1448.0	1449.6	1451.1	1458.2	1465.2
37.5°	1397.8	1384.8	1371.9	1365.1	1358.2	1354.4	1358.2	1365.1	1371.9	1384.8	1397.8
40°	1335.8	1316.9	1298.3	1285.5	1272.9	1265.4	1272.9	1285.5	1298.3	1316.9	1335.8
42.5°	1273.0	1249.7	1226.2	1207.8	1189.3	1177.1	1189.3	1207.8	1226.2	1249.7	1273.0
45°	1211.2	1184.5	1157.8	1136.1	1114.4	1100.4	1114.4	1136.1	1157.8	1184.5	1211.2
47.5°	1162.4	1138.6	1114.8	1094.7	1074.7	1061.3	1074.7	1094.7	1114.8	1138.6	1162.4
50°	1133.2	1114.2	1095.2	1076.7	1058.0	1045.2	1058.0	1076.7	1095.2	1114.2	1133.2
52.5°	1113.6	1098.1	1082.6	1065.9	1049.4	1037.5	1049.4	1065.9	1082.6	1098.1	1113.6
55°	1095.2	1081.7	1068.2	1053.6	1039.0	1028.3	1039.0	1053.6	1068.2	1081.7	1095.2
57.5°	1075.7	1062.0	1048.4	1033.9	1019.5	1008.3	1019.5	1033.9	1048.4	1062.0	1075.7
60°	1048.6	1035.2	1021.9	1007.1	992.2	980.7	992.2	1007.1	1021.9	1035.2	1048.6
62.5°	1005.4	993.3	981.3	965.7	950.0	936.1	950.0	965.7	981.3	993.3	1005.4
65°	947.1	935.5	923.9	908.7	893.6	881.7	893.6	908.7	923.9	935.5	947.1
67.5°	880.6	869.9	859.3	845.2	831.1	820.3	831.1	845.2	859.3	869.9	880.6
70°	809.4	800.7	792.1	778.6	765.1	752.8	765.1	778.6	792.1	800.7	809.4
72.5°	731.1	724.0	716.7	703.9	691.1	679.2	691.1	703.9	716.7	724.0	731.1
75°	637.9	634.3	630.8	619.9	609.2	597.8	609.2	619.9	630.8	634.3	637.9
77.5°	547.2	542.3	537.3	526.4	515.5	506.5	515.5	526.4	537.3	542.3	547.2
80°	445.1	442.9	440.9	426.2	411.4	394.4	411.4	426.2	440.9	442.9	445.1
82.5°	332.3	331.4	330.4	318.0	305.6	294.7	305.6	318.0	330.4	331.4	332.3
85°	211.0	209.5	208.0	198.3	188.6	178.8	188.6	198.3	208.0	209.5	211.0
87.5°	91.4	89.6	87.6	82.7	77.7	72.9	77.7	82.7	87.6	89.6	91.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963573

CATALOG NUMBER: NAV-SB3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	1851.3	1858.5	1867.7	1876.6	1888.2	1899.8	1911.4	1923.0	1936.2	1949.4	1964.1
5°	1741.9	1751.9	1766.3	1780.6	1799.4	1818.0	1838.6	1859.1	1882.4	1905.8	1933.6
7.5°	1676.2	1688.2	1705.2	1722.3	1745.2	1768.0	1794.0	1819.8	1850.5	1881.2	1918.1
10°	1657.3	1670.7	1691.1	1711.6	1737.3	1763.0	1791.0	1818.8	1849.5	1880.2	1919.2
12.5°	1691.2	1708.6	1734.6	1760.7	1787.3	1813.9	1835.7	1857.6	1877.9	1898.3	1930.1
15°	1762.6	1788.8	1826.0	1863.1	1886.2	1909.4	1915.0	1920.7	1918.0	1915.2	1930.4
17.5°	1835.1	1873.7	1922.9	1972.1	1990.7	2009.3	1991.6	1973.8	1940.3	1906.9	1901.4
20°	1880.2	1927.6	1983.8	2040.1	2048.7	2057.3	2020.1	1982.9	1924.7	1866.6	1840.5
22.5°	1883.0	1931.8	1985.5	2039.2	2034.1	2028.9	1980.5	1932.0	1865.6	1799.3	1760.7
25°	1840.3	1883.7	1927.7	1971.7	1954.1	1936.2	1888.6	1840.9	1781.2	1721.6	1677.1
27.5°	1758.0	1791.6	1823.0	1854.3	1834.4	1814.7	1776.4	1738.2	1689.3	1640.2	1597.3
30°	1658.9	1682.9	1706.9	1730.8	1714.7	1698.5	1666.8	1635.1	1594.4	1553.8	1519.6
32.5°	1563.9	1583.2	1605.3	1627.2	1609.2	1591.3	1560.9	1530.5	1497.9	1465.5	1445.4
35°	1483.0	1500.8	1516.4	1532.1	1510.5	1489.0	1458.9	1428.8	1404.1	1379.3	1373.7
37.5°	1414.2	1430.5	1437.8	1444.9	1418.4	1391.8	1361.7	1331.8	1314.0	1296.2	1302.4
40°	1349.7	1363.6	1361.9	1360.2	1329.5	1299.0	1270.0	1241.0	1228.2	1215.3	1229.3
42.5°	1284.7	1296.4	1287.6	1278.8	1245.8	1212.8	1185.3	1157.8	1147.3	1136.8	1155.3
45°	1221.8	1232.4	1219.8	1207.0	1172.8	1138.6	1112.5	1086.4	1077.5	1068.8	1086.7
47.5°	1169.7	1177.1	1162.6	1148.0	1114.2	1080.5	1054.9	1029.4	1021.2	1012.9	1028.0
50°	1133.5	1134.0	1115.3	1096.5	1066.3	1036.1	1012.1	988.0	975.0	962.2	975.4
52.5°	1109.6	1105.6	1083.4	1061.3	1033.0	1004.9	982.9	960.7	941.4	922.0	935.1
55°	1089.7	1084.1	1060.6	1037.1	1012.5	987.8	963.9	940.1	912.7	885.2	906.0
57.5°	1070.1	1064.5	1040.9	1017.1	992.6	968.2	940.3	912.4	882.7	853.1	883.6
60°	1042.4	1036.3	1012.5	988.7	963.9	939.1	907.0	874.9	849.0	823.0	862.4
62.5°	999.5	993.5	971.8	950.0	923.5	897.1	859.6	822.3	805.8	789.2	838.4
65°	941.1	935.0	915.8	896.7	871.4	846.0	805.9	765.8	759.5	753.2	805.5
67.5°	874.7	868.8	852.2	835.7	811.7	787.7	750.6	713.6	715.7	717.6	761.3
70°	803.7	798.1	783.1	768.1	747.4	726.7	694.1	661.6	668.5	675.5	706.4
72.5°	724.4	717.6	702.9	688.3	669.6	650.9	625.4	599.7	609.8	619.9	641.1
75°	630.8	623.7	610.4	597.0	580.0	563.1	544.1	525.0	534.7	544.5	560.9
77.5°	540.7	534.1	520.1	506.0	491.5	476.9	461.5	446.0	455.8	465.7	478.8
80°	436.3	427.5	417.0	406.3	394.0	381.8	368.9	356.1	364.4	372.6	383.6
82.5°	317.3	302.5	279.8	257.1	261.4	265.7	266.7	267.8	273.7	279.5	284.8
85°	192.6	174.1	152.8	131.6	143.5	155.4	161.0	166.6	173.0	179.6	185.3
87.5°	84.0	76.6	67.6	58.7	67.9	76.9	77.1	77.4	78.6	79.8	82.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963573

CATALOG NUMBER: NAV-SB3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	1978.9	1997.1	2013.4	2030.3	2047.1	2064.9	2082.5	2099.9	2117.5	2134.0	2150.6
5°	1961.3	1993.2	2025.5	2059.6	2093.8	2130.3	2166.8	2203.1	2239.5	2276.0	2312.4
7.5°	1955.1	1996.3	2040.3	2087.9	2135.6	2189.7	2243.7	2299.3	2354.8	2415.0	2475.2
10°	1958.2	2002.4	2056.7	2113.1	2169.5	2235.2	2300.9	2374.3	2447.7	2523.8	2599.8
12.5°	1962.0	2003.2	2060.2	2124.0	2187.8	2265.2	2342.7	2426.0	2509.1	2592.6	2676.2
15°	1945.7	1978.7	2041.8	2115.6	2189.4	2278.7	2368.0	2458.2	2548.5	2635.5	2722.6
17.5°	1895.7	1916.1	1990.3	2079.2	2168.0	2271.5	2375.1	2473.6	2572.0	2660.4	2748.7
20°	1814.5	1819.8	1906.3	2016.3	2126.4	2251.9	2377.5	2485.6	2593.9	2685.7	2777.4
22.5°	1722.1	1711.6	1810.0	1942.6	2075.1	2227.8	2380.6	2501.9	2623.2	2717.1	2810.9
25°	1632.5	1604.1	1705.1	1860.3	2015.5	2204.1	2392.7	2531.3	2670.0	2761.9	2853.8
27.5°	1554.3	1519.8	1611.6	1784.9	1958.3	2188.2	2418.0	2577.5	2736.7	2824.5	2912.1
30°	1485.4	1458.4	1535.4	1722.0	1908.5	2180.7	2452.6	2637.0	2821.4	2906.1	2990.7
32.5°	1425.2	1413.1	1475.3	1667.8	1860.3	2171.5	2482.5	2699.2	2916.0	2999.8	3083.6
35°	1368.2	1373.2	1425.0	1614.5	1803.9	2154.1	2504.5	2770.2	3035.8	3116.2	3196.5
37.5°	1308.5	1326.8	1372.1	1551.6	1731.3	2124.4	2517.6	2849.6	3181.6	3284.0	3386.4
40°	1243.1	1271.1	1312.2	1476.8	1641.4	2083.5	2525.8	2950.5	3375.0	3524.2	3673.4
42.5°	1173.7	1209.0	1246.8	1394.1	1541.5	2041.3	2541.4	3082.4	3623.4	3838.6	4054.0
45°	1104.6	1138.8	1177.1	1306.4	1435.6	2002.1	2568.8	3255.9	3943.1	4233.6	4523.9
47.5°	1043.0	1072.4	1121.9	1236.9	1352.0	1969.7	2587.5	3440.8	4294.1	4703.0	5111.8
50°	988.7	1022.8	1087.9	1190.7	1293.7	1934.5	2575.3	3612.4	4649.6	5265.9	5882.2
52.5°	948.3	996.0	1070.8	1160.4	1250.0	1874.8	2499.7	3723.8	4948.0	5857.3	6766.6
55°	926.8	998.8	1068.4	1138.4	1208.5	1776.0	2343.6	3699.3	5055.0	6381.5	7708.2
57.5°	913.9	1001.4	1062.8	1112.3	1161.8	1636.6	2111.4	3526.5	4941.6	6753.1	8564.5
60°	901.8	992.9	1033.5	1072.4	1111.3	1455.7	1800.1	3204.9	4609.7	6846.0	9082.1
62.5°	887.6	972.2	977.2	1003.1	1028.9	1239.1	1449.4	2770.1	4090.7	6454.9	8819.3
65°	857.9	922.4	921.8	934.0	946.2	1044.3	1142.5	2326.3	3510.3	5901.7	8293.3
67.5°	804.8	841.0	842.8	836.0	829.1	857.1	884.9	1891.7	2898.5	5243.5	7588.5
70°	737.4	749.4	749.4	717.8	686.1	678.2	670.2	1489.4	2308.6	4525.2	6741.6
72.5°	662.4	662.3	654.7	610.0	565.2	541.1	517.0	1138.7	1760.3	3746.4	5732.6
75°	577.2	580.2	545.4	495.3	445.1	423.3	401.5	826.5	1251.4	2853.7	4456.1
77.5°	491.9	493.4	436.2	387.6	338.8	323.9	309.1	560.1	811.0	1997.4	3183.8
80°	394.6	394.8	326.5	285.3	244.1	237.9	231.8	360.8	489.9	1286.9	2083.7
82.5°	290.2	287.0	228.7	198.3	167.9	166.7	165.6	221.9	278.4	744.8	1211.2
85°	191.1	186.9	143.5	121.3	99.0	99.6	100.1	118.6	137.2	335.1	532.9
87.5°	84.5	79.0	61.0	51.9	42.8	43.4	43.9	49.2	54.5	109.8	165.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963573

CATALOG NUMBER: NAV-SB3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	2158.6	2166.8	2178.4	2190.0	2197.0	2203.9	2207.3	2210.7	2209.3	2210.7	2207.3
5°	2340.9	2369.5	2397.7	2426.0	2441.3	2456.7	2465.9	2475.4	2482.4	2475.4	2465.9
7.5°	2521.5	2567.7	2609.4	2651.1	2676.2	2701.3	2714.8	2728.3	2734.9	2728.3	2714.8
10°	2654.6	2709.4	2758.3	2807.2	2836.8	2866.2	2879.4	2892.5	2897.6	2892.5	2879.4
12.5°	2735.5	2794.9	2839.0	2883.1	2904.6	2926.1	2933.3	2940.5	2941.3	2940.5	2933.3
15°	2773.9	2825.0	2852.8	2880.6	2881.3	2882.1	2874.4	2866.7	2857.7	2866.7	2874.4
17.5°	2783.3	2817.9	2818.4	2819.0	2787.8	2756.7	2728.2	2699.7	2679.7	2699.7	2728.2
20°	2789.5	2801.6	2765.1	2728.8	2660.2	2591.5	2541.6	2491.7	2460.9	2491.7	2541.6
22.5°	2795.1	2779.2	2703.7	2628.2	2527.3	2426.4	2364.0	2301.4	2267.5	2301.4	2364.0
25°	2804.0	2754.1	2639.4	2524.8	2402.2	2279.7	2214.0	2148.5	2116.4	2148.5	2214.0
27.5°	2823.0	2733.8	2581.9	2430.1	2294.3	2158.4	2093.9	2029.3	1999.0	2029.3	2093.9
30°	2857.8	2724.9	2538.0	2351.0	2209.6	2068.0	2008.1	1948.2	1919.9	1948.2	2008.1
32.5°	2901.6	2719.5	2508.1	2296.5	2163.6	2030.6	1983.6	1936.4	1916.1	1936.4	1983.6
35°	2973.6	2750.8	2530.4	2310.1	2217.8	2125.4	2114.5	2103.5	2101.8	2103.5	2114.5
37.5°	3124.2	2862.1	2661.8	2461.5	2455.6	2449.5	2499.8	2550.0	2576.0	2550.0	2499.8
40°	3388.2	3103.2	2954.3	2805.3	2910.5	3015.5	3137.6	3259.6	3320.4	3259.6	3137.6
42.5°	3771.1	3488.3	3402.5	3316.7	3546.0	3775.3	3997.2	4219.1	4349.4	4219.1	3997.2
45°	4269.9	4015.7	3977.9	3940.0	4307.4	4674.8	5039.4	5404.1	5625.5	5404.1	5039.4
47.5°	4864.6	4617.4	4609.7	4602.0	5132.0	5661.8	6195.6	6729.4	7042.9	6729.4	6195.6
50°	5576.9	5271.7	5272.9	5274.2	5957.2	6640.2	7344.8	8049.4	8475.5	8049.4	7344.8
52.5°	6396.9	6027.2	5989.9	5952.4	6768.2	7584.0	8455.8	9327.7	9838.4	9327.7	8455.8
55°	7342.9	6977.6	6831.9	6686.2	7594.1	8502.0	9541.4	10580.8	11188.2	10580.8	9541.4
57.5°	8365.6	8166.7	7874.4	7582.1	8498.9	9415.6	10593.0	11770.2	12523.3	11770.2	10593.0
60°	9391.0	9700.1	9337.1	8974.2	9841.7	10709.3	11969.7	13230.3	14044.2	13230.3	11969.7
62.5°	9663.5	10507.7	10466.8	10425.8	11220.6	12015.4	13214.6	14413.8	15166.1	14413.8	13214.6
65°	9085.6	9877.8	10034.6	10191.4	11201.3	12211.4	13374.3	14537.1	15177.7	14537.1	13374.3
67.5°	8342.0	9095.5	9169.0	9242.5	10294.9	11347.2	12514.9	13682.8	14184.7	13682.8	12514.9
70°	7561.3	8381.0	8413.8	8446.7	9387.9	10328.8	11333.8	12338.8	12617.7	12338.8	11333.8
72.5°	6673.2	7613.8	7637.4	7661.0	8397.2	9133.6	9886.2	10638.9	10667.1	10638.9	9886.2
75°	5429.5	6403.1	6490.4	6577.8	7150.7	7723.5	8253.4	8783.2	8641.3	8783.2	8253.4
77.5°	4092.5	5001.3	5126.3	5251.5	5686.9	6122.4	6498.2	6874.1	6630.0	6874.1	6498.2
80°	2848.3	3612.7	3768.2	3923.7	4252.5	4581.3	4778.7	4976.0	4583.5	4976.0	4778.7
82.5°	1733.9	2256.6	2430.3	2604.0	2830.4	3056.8	3139.2	3221.4	2912.9	3221.4	3139.2
85°	810.4	1087.7	1235.4	1383.1	1569.2	1755.1	1801.8	1848.6	1601.5	1848.6	1801.8
87.5°	258.2	351.5	433.9	516.3	609.3	702.3	706.3	710.2	596.2	710.2	706.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963573

CATALOG NUMBER: NAV-SB3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	2203.9	2197.0	2190.0	2178.4	2166.8	2158.6	2150.6
5°	2456.7	2441.3	2426.0	2397.7	2369.5	2340.9	2312.4
7.5°	2701.3	2676.2	2651.1	2609.4	2567.7	2521.5	2475.2
10°	2866.2	2836.8	2807.2	2758.3	2709.4	2654.6	2599.8
12.5°	2926.1	2904.6	2883.1	2839.0	2794.9	2735.5	2676.2
15°	2882.1	2881.3	2880.6	2852.8	2825.0	2773.9	2722.6
17.5°	2756.7	2787.8	2819.0	2818.4	2817.9	2783.3	2748.7
20°	2591.5	2660.2	2728.8	2765.1	2801.6	2789.5	2777.4
22.5°	2426.4	2527.3	2628.2	2703.7	2779.2	2795.1	2810.9
25°	2279.7	2402.2	2524.8	2639.4	2754.1	2804.0	2853.8
27.5°	2158.4	2294.3	2430.1	2581.9	2733.8	2823.0	2912.1
30°	2068.0	2209.6	2351.0	2538.0	2724.9	2857.8	2990.7
32.5°	2030.6	2163.6	2296.5	2508.1	2719.5	2901.6	3083.6
35°	2125.4	2217.8	2310.1	2530.4	2750.8	2973.6	3196.5
37.5°	2449.5	2455.6	2461.5	2661.8	2862.1	3124.2	3386.4
40°	3015.5	2910.5	2805.3	2954.3	3103.2	3388.2	3673.4
42.5°	3775.3	3546.0	3316.7	3402.5	3488.3	3771.1	4054.0
45°	4674.8	4307.4	3940.0	3977.9	4015.7	4269.9	4523.9
47.5°	5661.8	5132.0	4602.0	4609.7	4617.4	4864.6	5111.8
50°	6640.2	5957.2	5274.2	5272.9	5271.7	5576.9	5882.2
52.5°	7584.0	6768.2	5952.4	5989.9	6027.2	6396.9	6766.6
55°	8502.0	7594.1	6686.2	6831.9	6977.6	7342.9	7708.2
57.5°	9415.6	8498.9	7582.1	7874.4	8166.7	8365.6	8564.5
60°	10709.3	9841.7	8974.2	9337.1	9700.1	9391.0	9082.1
62.5°	12015.4	11220.6	10425.8	10466.8	10507.7	9663.5	8819.3
65°	12211.4	11201.3	10191.4	10034.6	9877.8	9085.6	8293.3
67.5°	11347.2	10294.9	9242.5	9169.0	9095.5	8342.0	7588.5
70°	10328.8	9387.9	8446.7	8413.8	8381.0	7561.3	6741.6
72.5°	9133.6	8397.2	7661.0	7637.4	7613.8	6673.2	5732.6
75°	7723.5	7150.7	6577.8	6490.4	6403.1	5429.5	4456.1
77.5°	6122.4	5686.9	5251.5	5126.3	5001.3	4092.5	3183.8
80°	4581.3	4252.5	3923.7	3768.2	3612.7	2848.3	2083.7
82.5°	3056.8	2830.4	2604.0	2430.3	2256.6	1733.9	1211.2
85°	1755.1	1569.2	1383.1	1235.4	1087.7	810.4	532.9
87.5°	702.3	609.3	516.3	433.9	351.5	258.2	165.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)